

are removably attach to the infusion device end and the sensor end respectively; and

the infusion device introduction needle and the sensor introduction are attached to the needle infusion device end and the sensor end respectively.

**14.** The delivery device of claim **1**, wherein the inserter housing further comprising a release spring and an actuation lever operable from outside of the inserter housing, the actuation lever for selectively releasing the bridge to move under the force of the spring from the retracted position to the extended position.

**15.** The delivery device of claim **14**, wherein the inserter housing further comprising a cocking lever connecting cocking linkages to a hammer cocking slide, wherein the cocking lever moves the cocking slide to a charged position.

**16.** The delivery device of claim **15**, wherein the inserter housing further comprising a power spring connected to the hammer cocking slide to a trigger, wherein the trigger, when compressed, provides downward force for moving the bridge from the retracted position to the extended position.

**17.** The delivery device of claim **16**, wherein the inserter housing further comprising a trigger hammer disposed under the hammer cocking slide and between a pair of cocking linkages, wherein the trigger hammer transmits energy released from the power spring when the trigger is released and the trigger hammer impacts a bridge bolt, linked to the bridge.

**18.** A delivery device for delivery of infusion medium, the delivery device comprising:

- a reservoir for containing an infusion medium and having an outlet port;
- a fluid conduit connected in fluid flow communication with the outlet port of the reservoir; and
- a drive device operatively connectable to the reservoir, for selectively driving the infusion medium from the reservoir and an inserter system according to claim **19**, the insertion system comprising:
  - a bridge comprising:
  - a body having two ends, an infusion device end and a sensor end, wherein the infusion device and the sensor removably attach to the infusion device end and the sensor end respectively;

the infusion device introduction needle and the sensor introduction attached to the needle infusion device end and the sensor end respectively; and

a cover for the infusion device and a cover for the sensor; an infusion device introduction needle and a sensor introduction needle supported by the bridge for movement between a retracted position and an extended position;

an inserter housing for accommodating the bridge and for movement of the infusion device introduction needle and the sensor introduction needle between the retracted position and the extended position;

an infusion device about the infusion device introduction needle and moveable with the infusion device introduction needle between the retracted position and the extended position;

a sensor about the sensor introduction needle and moveable with the sensor introduction needle between the retracted position and the extended position;

an infusion device release located on the bridge for releasing the infusion device in the extended position upon the infusion device introduction needle and infusion device being moved to the extended position; and

a sensor release located on the bridge for releasing the sensor in the extended position upon the sensor introduction needle and sensor being moved to the extended position

wherein the infusion device is connected in fluid flow communication with the fluid conduit when the infusion device introduction needle the infusion device are in the extended position.

**19.** The delivery device of claim **18**, wherein the infusion device is located in a position adapted to extend into a user when the infusion device introduction needle and infusion device are locked in the extended position.

**20.** The delivery device of claim **18**, wherein the infusion device introduction needle is located in a position adapted to pierce a user's skin wherein the infusion device introduction needle is moved to the extended position, and wherein the infusion device introduction needle is located in a position external to the user's skin, when the infusion device introduction needle is in the retracted position.

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